

CONFIDENTIAL

This copy of the Draft Bill has been sent you with the understanding that it is to be considered as **STRICTLY CONFIDENTIAL** until after it has been introduced in the House.

The Committee on Legislation will forward any further information required upon request.

WILLIS CHIPMAN, Chairman.

Toronto, Feb. 18th, 1899.

BILL.

An Act respecting Civil Engineers.

Whereas by an Act of Parliament of Canada passed in the 50th and 51st years of the reign of Her Majesty Queen Victoria, Chaptered 124, the Canadian Society of Civil Engineers was incorporated, and whereas it is deemed necessary to establish the qualification necessary to permit persons to act or practise as Civil Engineers in the Province of Ontario.

Therefore, Her Majesty, by and with the advice and consent of the Legislative Assembly of Ontario, enacts as follows:—

1. The following expressions in this Act have the meanings hereby assigned to them, unless there is something in the text repugnant to such construction:

(a) The expression "the society," means the Canadian Society of Civil Engineers;

(b) The expression "the council," means the council of the said society;

(c) The expression "corporate member," means a member or associate member of the said society as defined by the by-laws;

(d) The expression "civil engineer," means any one who acts or practises as an engineer in advising on, in making measurements for, or in laying out, designing or supervising the construction of canals, aqueducts, drains, harbors, docks, lighthouses, river improvements, dykes, dams, railways, bridges, power plants, water-works, sewerage works and all hydraulic, municipal, sanitary, electrical, mechanical or other engineering works, when the estimated cost of such works exceeds one thousand dollars.

2. On and after the first day of July, now, next, no person shall be entitled, within the Province of Ontario, to use the title of civil engineer, or any abbreviation thereof, or any name, title or description implying that he is a corporate member of the said society, nor to act or practise as a civil engineer within the meaning of the first section of this act;

(a) Unless such person is a corporate member of the society, or becomes such under the provision of this act; or,

(b) Unless he is entitled, by some statute of the Dominion of Canada, of the late Province of Canada or of the Province of Ontario, to use the title of civil engineer; or,

(c) Unless he has been practising as a civil engineer for at least one year, or is a member of the corporation of Ontario Land Surveyors at the time of the passing of this act, and shall have within one year afterwards applied for and received from the board of examiners, as constituted in this act, a certificate to the effect that he is qualified to become a corporate member of the society. The applicant must send with his application a fee of ten dollars to the secretary of the society.

3. Any person not being a corporate member of the society who qualifies to become such under the last preceding sub-section, may at any time thereafter become a corporate member of the society upon application to the secretary, which application shall be accompanied with the prescribed dues for the year in which such application is made, and until he becomes a corporate member he shall not be subject to dues.

4. (a) A board of examiners, consisting of five persons who shall be appointed by the council, shall be constituted to examine candidates for admission to the study and for admission to the practise of civil engineers.

(b) Three members of the board of examiners shall constitute a quorum.

(c) The said board shall meet in the City of Toronto on the first Tuesday in May in each year.

(d) Special meetings of the board may be called by the chairman.

(e) The council may also appoint competent persons to assist the board of examiners in any of the subjects of examination and shall have the power to fix the expenses and fees to be paid to any of the said examiners.

5. A candidate for admission to study shall:

(a) Give one month's notice to the secretary of the society of his intention to present himself for examination and at the same time shall pay such secretary the sum of twenty dollars as a fee;

(b) Produce satisfactory certificates of good character;

(c) Pass an examination in the following subjects, namely: English grammar and composition, general geography, that of Canada in particular, history of Canada and England, arithmetic, elements of geometry, first four books and deductions, use of logarithms, algebra up to and including quadratic equations; trigonometry, up to and including the solution of plain triangles; and such additional subjects as the council may prescribe.

(d) If successful, the candidate shall be entitled to a certificate that he has passed such examination.

(e) If the candidate holds a certificate of having been admitted to study as an Ontario land surveyor, at the time of the coming into force of this act, then such certificate shall be accepted in place of the foregoing examination.

(f) If the candidate holds a degree of Bachelor of Applied Science, Bachelor of Arts, Bachelor of Sciences, conferred upon him by any Canadian or British University, or is a graduate from the School of Practical Science, Toronto, or holds a certificate as Ontario Land Surveyor in this Province, he shall, on making satisfactory proof that he is the person named in such degree or certificate, be entitled, on payment of the above-mentioned fee, to receive a certificate permitting him to study.

6. A candidate for admission as corporate member of the society shall :

(a) Give one month's notice of his intention to present himself for examination, and at the same time, pay the secretary the sum of forty dollars as a fee;

(b) Produce satisfactory certificates of good character ;

(c) Establish that he is at least twenty-one years of age ;

(d) Establish that, since his admission to study, he has been engaged in the practice of engineering in the office, or in the service of, a corporate member of the society for a period of at least five years, or for a period of two years if he holds a certificate as an Ontario land surveyor of this Province, or if he has a degree from any college or university in Canada granting degrees or diplomas in applied science where the course of study has not been less than three years, or from any similar British or foreign college or university satisfactory to the board of examiners. The time occupied during college vacation in actual engineering work under the direction of a corporate member of the society shall count in the computation of the term of the two years above mentioned;

(e) Pass an examination before the board of examiners of the society on the theory and practice of engineering, and especially in one of the following branches at his option, namely: railway, municipal, hydraulic, mechanical, mining, electrical or other branch of engineering.

7. The council may in its discretion at any time admit to the society as a corporate member, any member in good standing of the Institute of Civil Engineers of Great Britain, of the American Society of Civil Engineers, or of any similar national engineering society, who applies for such admission, and upon payment of the prescribed fees, and upon satisfactory evidence being produced of his status in such society. If the member so admitted intends to continue to practise engineering in this Province, the council may require the applicant to undergo an examination before the board of examiners before admitting him to membership.

8. Any student of the society who has duly completed his service, passed the required examinations and who has otherwise complied with the requirements of this act and the by-laws of the society shall be entitled to receive a certificate specifying which specialty (if any) in addition to the regular course he has passed in. He will then be

entitled to all the privileges of a corporate member of the Society and shall be so enrolled by the secretary of the society.

9. Any member of the society desiring to give up practise may at any time withdraw, and have his name removed from the registered list of practising engineers, by giving written notice of such desire to the secretary of the society, and thereafter he shall not be liable to the society for any annual dues or other fees, and he may upon notice to the secretary and by paying his annual dues for the year in which the notice is given, be entitled to be again enrolled as a corporate member of the society.

10. The council may by resolution provide that any member may be exempted from dues for any year through illness or accident or other sufficient cause, upon satisfactory reasons being adduced.

11. The society may by by-law admit to membership any person who, through illness, absence or inadvertence, has omitted or neglected to obtain a certificate of qualification under sub-section (c) of section 2 of this act. The applicant shall present reasons satisfactory to the society for such neglect or omission to qualify, and shall send to the secretary with his application the prescribed fees.

12. It shall be the duty of the secretary of the society to make and keep a correct register of all the persons who are, or who may become, corporate members of the society, and of all persons who have qualified to become members, with the address of each, and date of admission to membership or of qualification, such register to be kept in accordance with the by-laws of the society. This register shall be published by the society, and a copy mailed to each member by the secretary on or before June 30th of each year.

13. No person practising the profession of civil engineer, and not entitled to do so under this act, shall recover before any court of justice any sum of money for the professional service rendered in such practice.

14. Any person who takes or makes use of any name, title or designation as mentioned, or assumes the title of civil engineer, or practises as a civil engineer without being entitled thereto by this act, shall be liable, upon summary conviction, to a fine not exceeding \$25 for the first offence and not exceeding \$100 for every subsequent offence.

15. Nothing in this act shall be deemed to encroach upon the rights and privileges conferred upon Ontario land surveyors by any act of the Legislature of this Province.

16. The secretary shall remove from the register the name of any member who has been convicted of any criminal offence, or any offence punishable under the laws of this Province, and the person whose name has been so removed shall cease to be a member of the society.